

FIG. 1

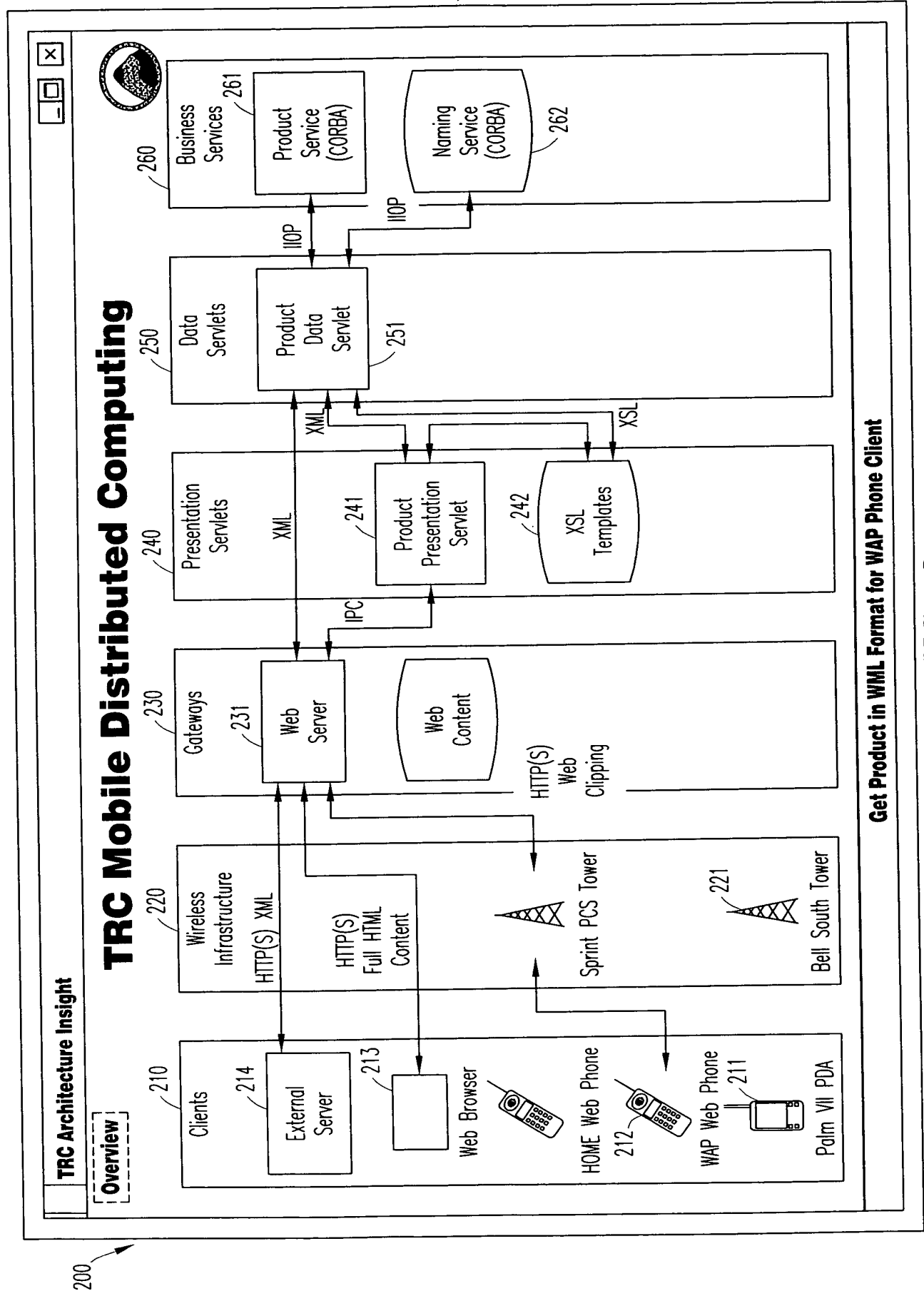
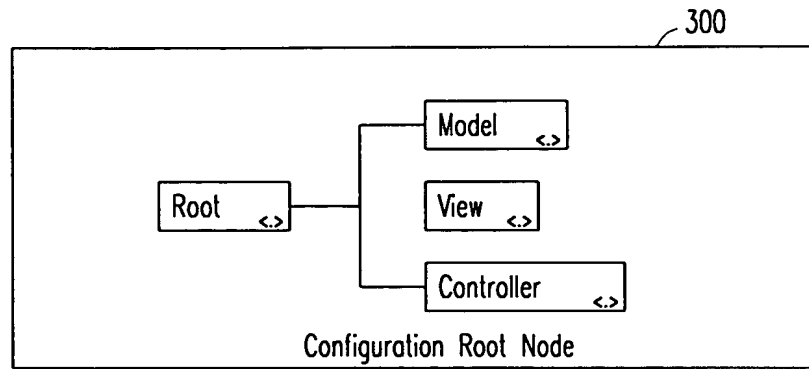
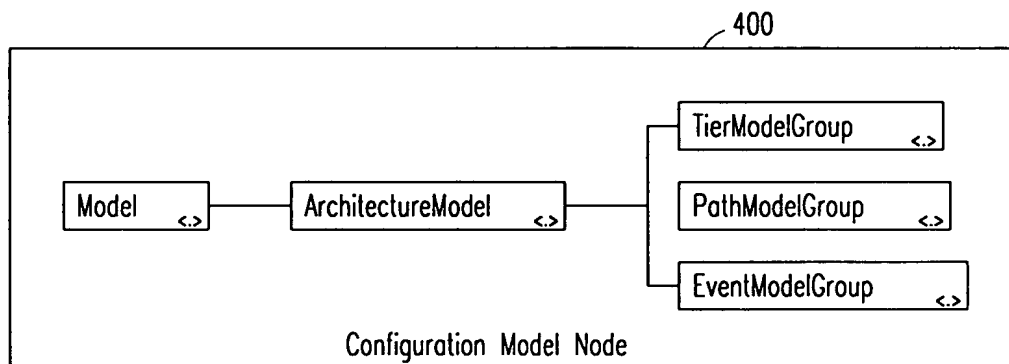
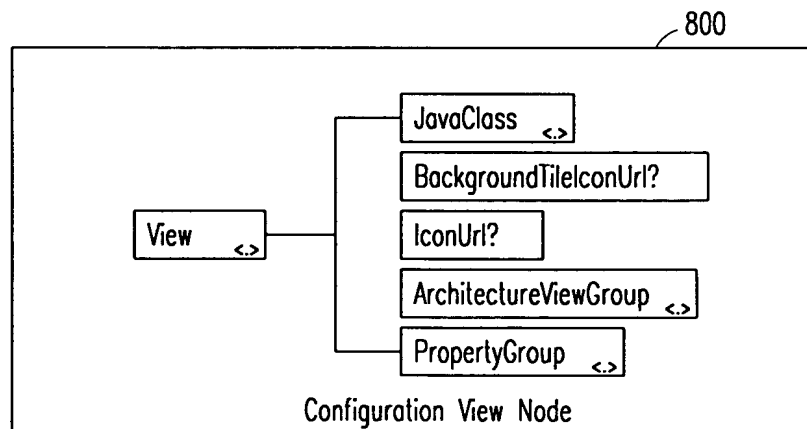
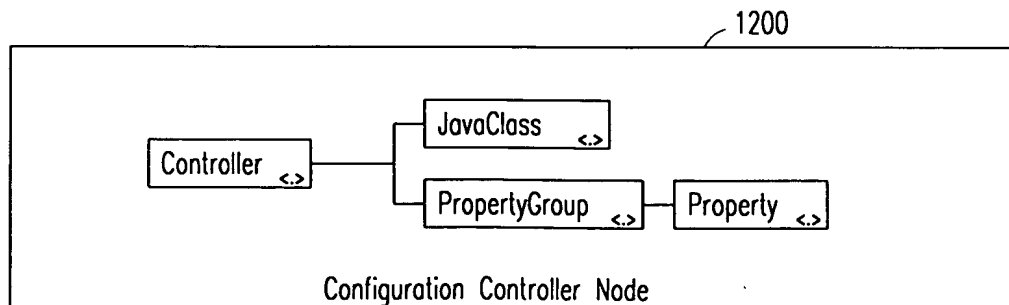
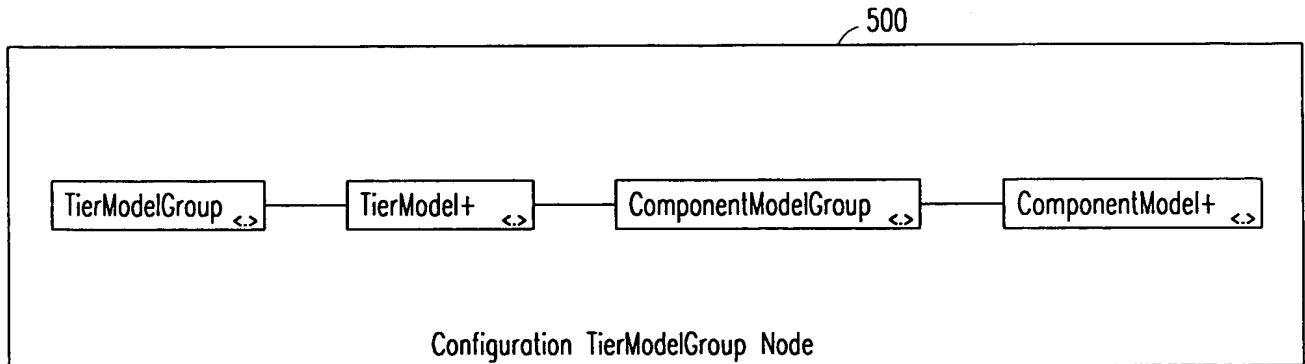


FIG. 2

*FIG. 3**FIG. 4**FIG. 8**FIG. 12*

*FIG. 5*

500A

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of an element. This name is used by other configuration elements to refer to this element.	String	None	Yes

Attributes for "TierModel" Element

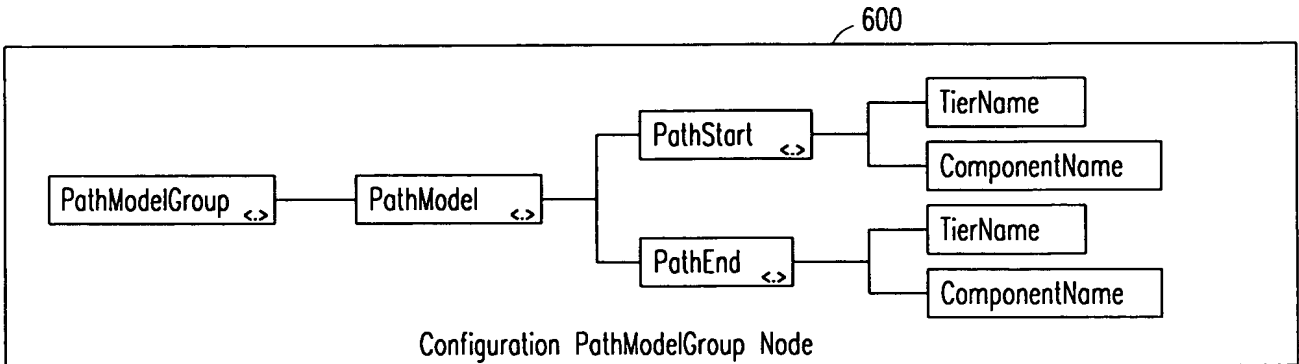
FIG. 5A

500B

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of an element. This name is used by other configuration elements to refer to this element.	String	None	Yes

Attributes for "ComponentModel" Element

FIG. 5B

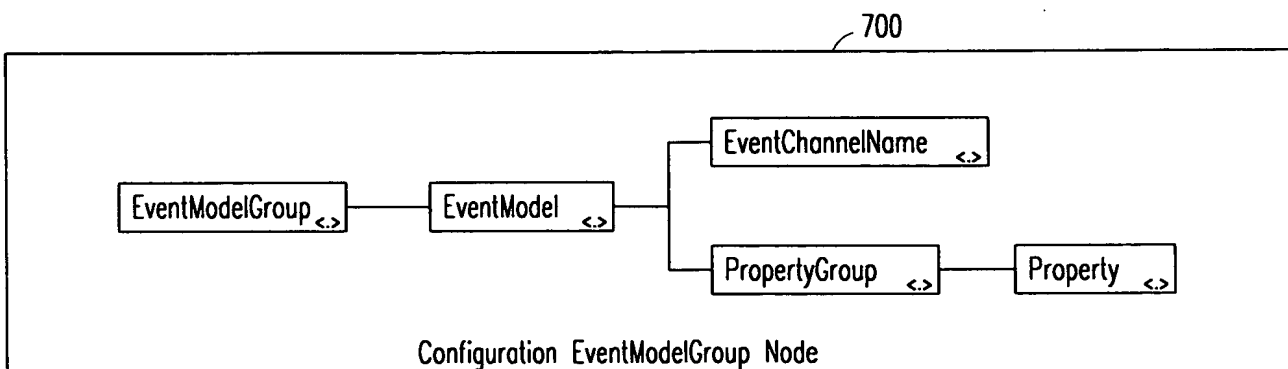
*FIG. 6*

600A

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of an element. This name is used by other configuration elements to refer to this element.	String	None	Yes

Attributes for "PathModel" Element

FIG. 6A

**FIG. 7**

700A

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name used by other elements of the configuration to refer to this element.	String	None	Yes

Attributes for "Event" Element

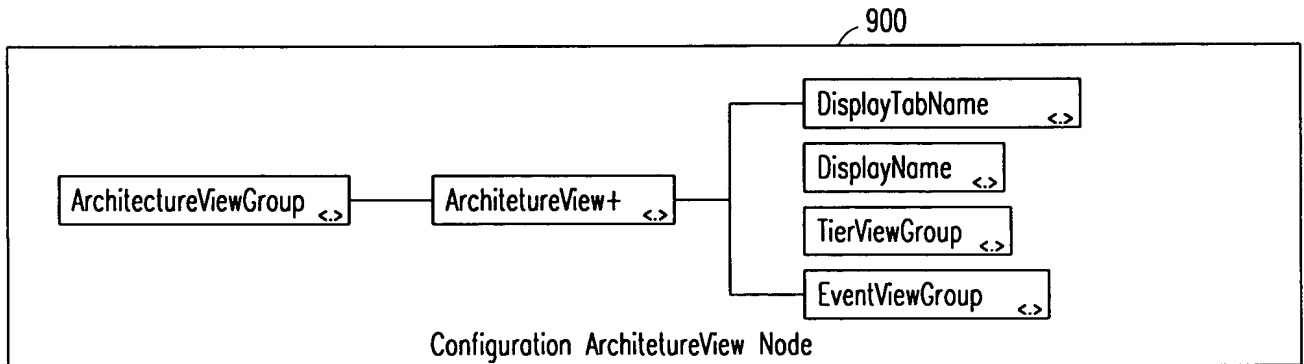
FIG. 7A

700B

Attribute Name	Description	Data Type	Constraints	Required
name	The name of the property.	String	None	Yes

Attributes for "Property" Element

FIG. 7B

**FIG. 9**

900A

Attribute Name	Description	Data Type	Constraints	Required
name	Label used navigate the XML configuration. Useful when there are multiple architecture views in a configuration.	String	None	Yes

Attributes for "ArchitectureView" Element

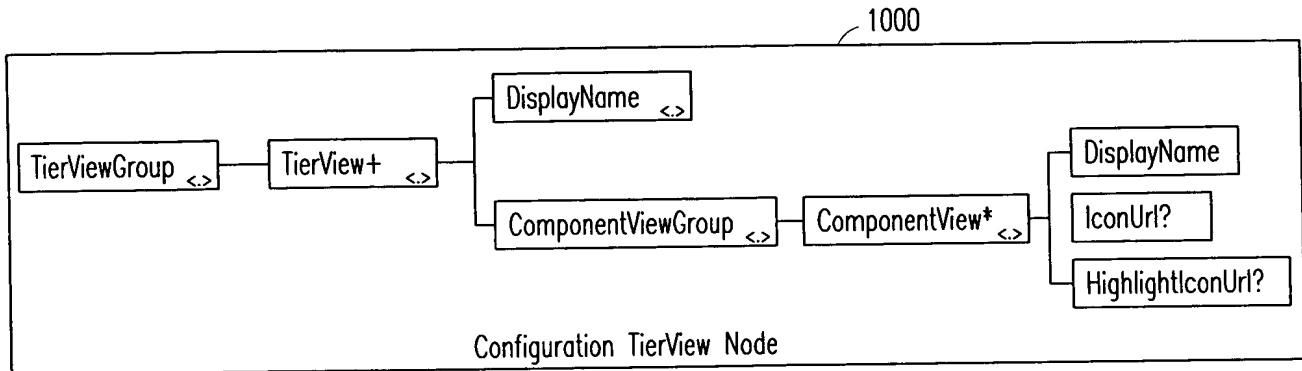
FIG. 9A

900B

Property Name	Property Value	Required	Description
Default Highlight Duration Millis	Duration in integer milliseconds.	No. default 5000.	The time in milliseconds that the last component in a nested path view will remain highlighted.
Default Highlight Duration Millis	Delay in integer milliseconds.	No. default 500.	Where an event is visualized with more than one path highlight this is the time between successive path highlights.

Optional View Properties for Basic View Implementation

FIG. 9B

**FIG. 10**

1000A

Attribute Name	Description	Data Type	Constraints	Required
Vertical Alignment	The vertical proximity of the label relative to the entity being labelled.	Enum	top middle bottom	No. Default "middle".
fontSize	The font size in points to use for the label.	Integer	>8. Values depend on font sizes contained in runtime environment. plain bold italic.	No. Default 12. No. Default "plain".

Attributes for "DisplayName" Element

FIG. 10A

1000B

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of the tier being viewed.	String	Corresponds to the name of a valid tier as specified by the value of the name attribute on a Model.ArchitectureMode. TierModel element.	Yes

Attributes for "TierView" Element

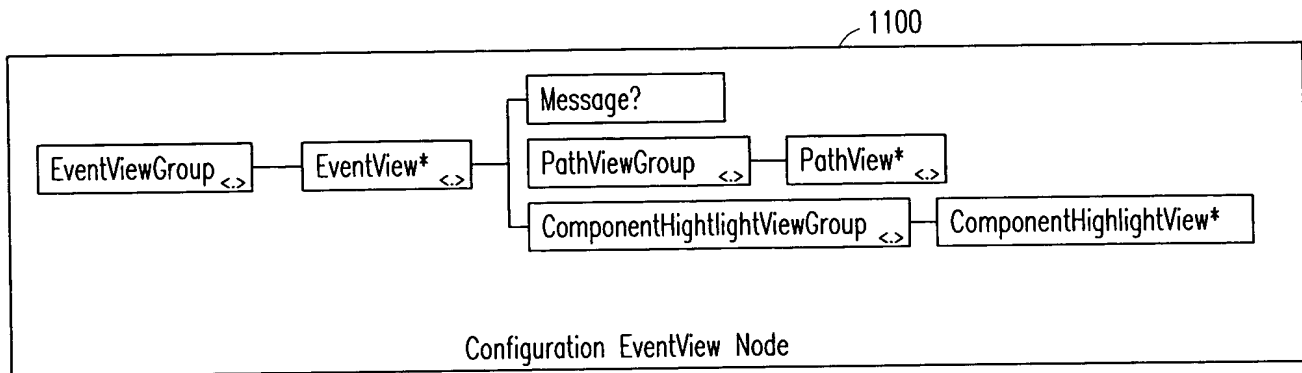
FIG. 10B

1000C

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of the component being viewed	String	<p>Corresponds to the name of a valid component as specified by the value of the name attribute on a Model. ArchitectureMode.TierModel.ComponentModel element. Note that this component must exist in the same tier as referenced by the name attribute of the TierView parent of this element.</p> <p>If this name does not correspond to a known component then the component will be rendered blank. This technique may be used to insert space between components in tiers.</p>	Yes

Attributes for "ComponentView" Element

FIG. 10C

**FIG. 11**

1100A

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of the event that triggers the visualization described by this Event View element.	String	Corresponds to a valid event name as defined by the value of the name attribute of a Model.ArchitectureModel.Event element.	Yes

Attributes for "EventView" Element

FIG. 11A

1100B

Attribute Name	Description	Data Type	Constraints	Required
name	Symbolic name of the path that being viewed.	String	Corresponds to a valid path name as defined by the value of the name attribute of a Model. ArchitectureModel. PathModel element.	Yes
startSide	The vertical side of the start component on which the path highlight begins.	Enum	left right	No. Default "right".
startPort	The port on the vertical side of the component at which the path highlight begins. Note that the sides of each component are actively divided into 10 regularly spaced ports with port 0 on the top and port 9 on the bottom.	Enum	0 1 2 3 4 5 6 7 8 9	No. Default "4".

cont'd

cont'd

verticalTrack	Where start and end components of a path are at different heights the path highlight must make a vertical transition between tiers. This attribute defines the horizontal positioning of this transition with 0 on the left, 9 on the right and regularly space intervals in between. Where multiple paths may be highlighted concurrently and overlap during their vertical transition this attribute may be used to move them apart to avoid overlap. See also the verticalProximity attribute on this element.	Enum	0 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9	No. Default "4".
endSide	The vertical side of the end component on which the path highlight ends.	Enum	left right	No. Default "left".
endPort	The port on the vertical side of the component at which the path highlight ends. Note that the sides of each component are effectively divided into 10 regularly spaced ports with port 0 on the top and port 9 on the bottom.	Enum	0 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9	No. Default "4".
color	The color of the path when highlighted.	String	A valid color, for example in the format "0xFF9C00".	No. Default "0xFF0000" (red).
verticalProximity	When start and end components of a path are at different heights the path must make a vertical transition. This attribute defines if this transition will be next to the start component or end component. See also the verticalTrack attribute on this element.	Enum	startComponent endComponent	No. Default "startComponent".
onCheckpointName	Symbolic name of the checkpoint in time at which this path highlight begins. Used for example to control component highlight views.	String	None.	No.
offCheckpointName	Symbolic name of the checkpoint in time at which this path highlight ends. Used for example to control component highlight views.	String	None.	No.

Attributes for "PathView" Element

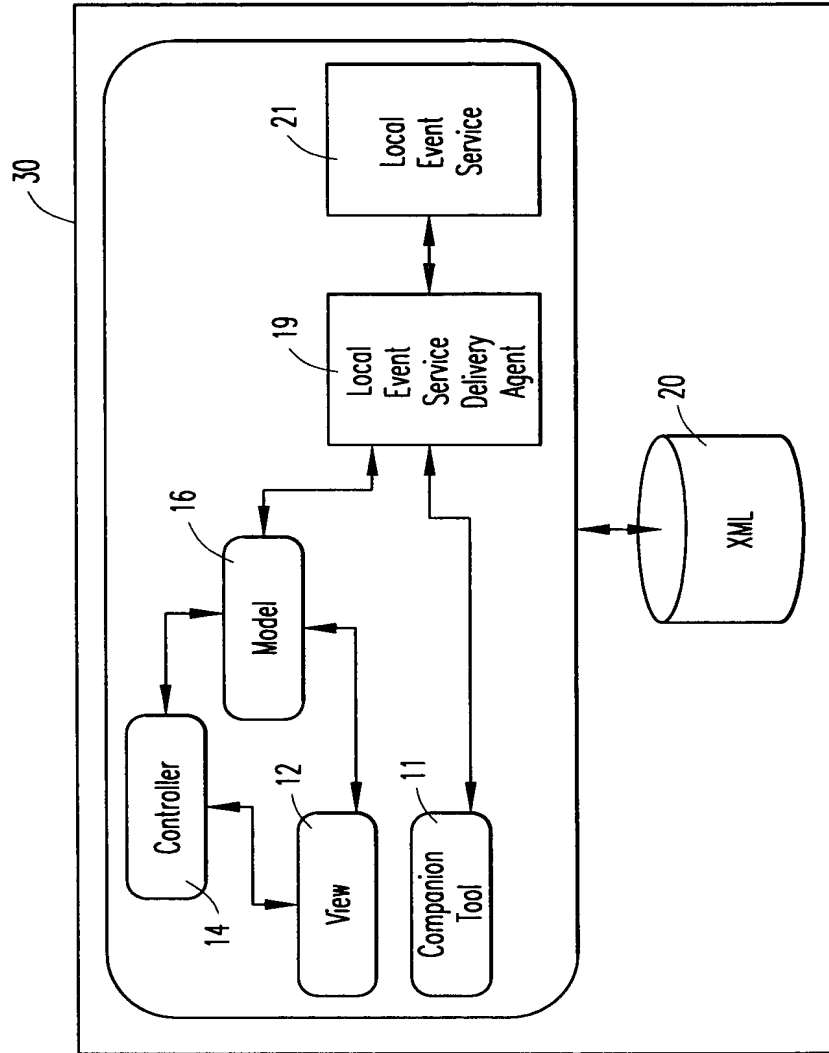
FIG. 11B

1100C

Attribute Name	Description	Data Type	Constraints	Required
name	The name of the component to highlight.	String	This corresponds to the name of a valid components as defined by the value of the name attribute of a Model. ArchitectureModel.TierMode	Yes
onCheckpointName	The name of the checkpoint in time at which point to highlight the component.	String	This corresponds to the value of the onCheckPointName attribute of a PathView element in the same View.ArchitectureView.Event View scope as this ComponentHighlight View element.	Yes
offCheckpointName	The name of the checkpoint in time at which point to unhighlight the component.	String	This corresponds to the value of the offCheckpointName attribute of a PathView element in the same View.ArchitectureView.Event View scope as this ComponentHighlight View element. This checkpoint should occur after the "on" checkpoint.	Yes
tier	The name of the tier containing the component to highlight.	String	This corresponds to the name of a valid tier as defined by the value of the name attribute of the Model.ArchitectureModel.ArchitectureModel.TierMode 1 element that contains the component with the name defined by the name attribute on the same ComponentHighlight View element.	Yes

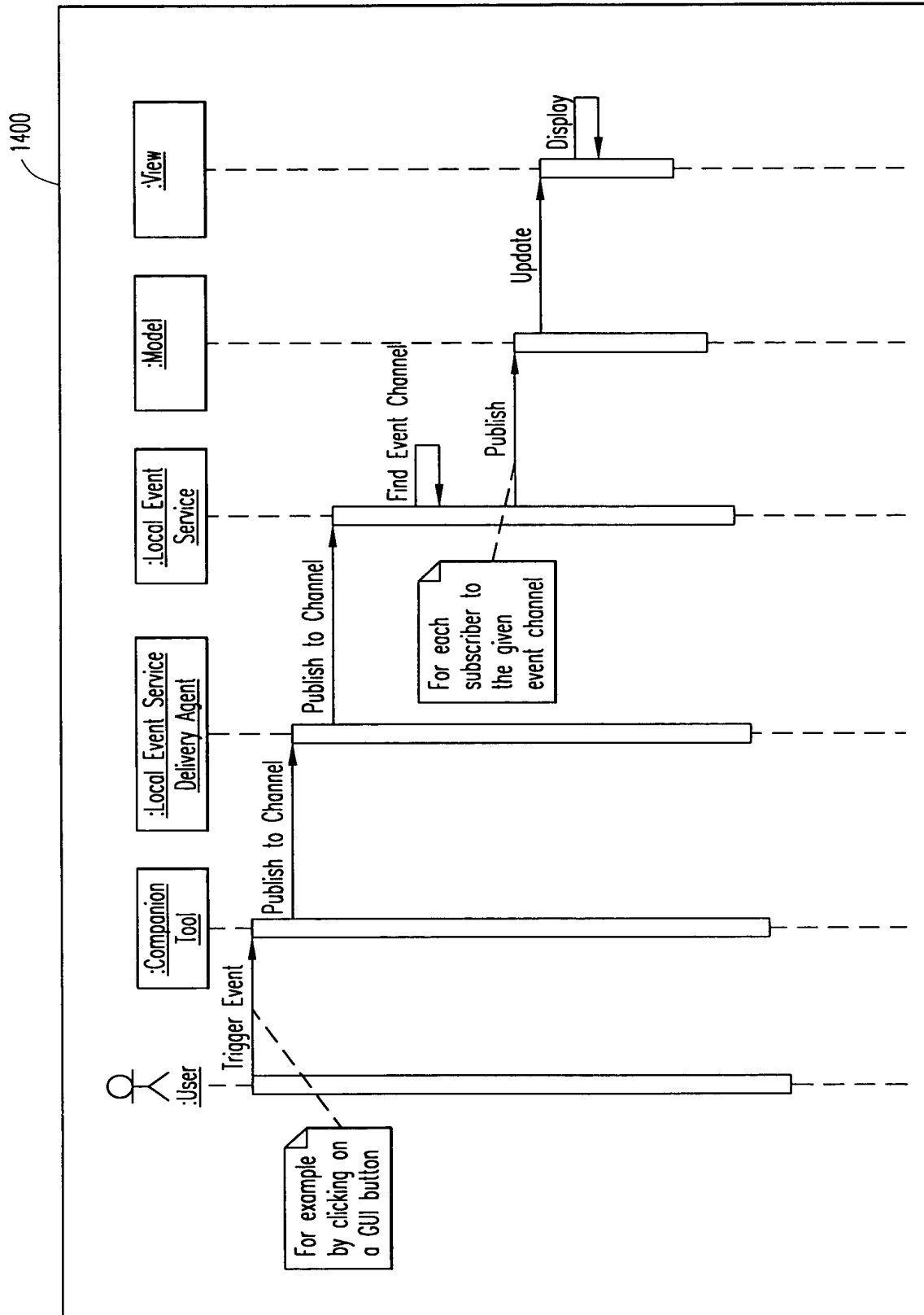
Attributes for "ComponentHighlight View" Element

FIG. 11C



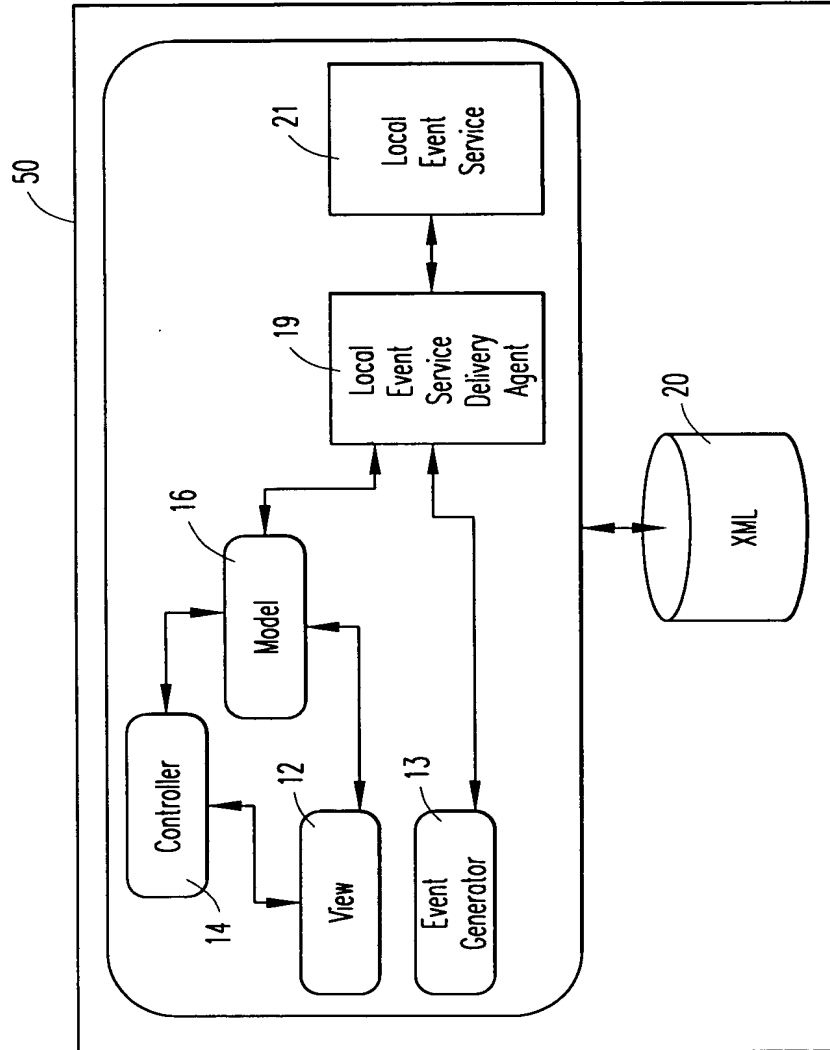
Application Architecture for Simulation Mode

FIG. 13



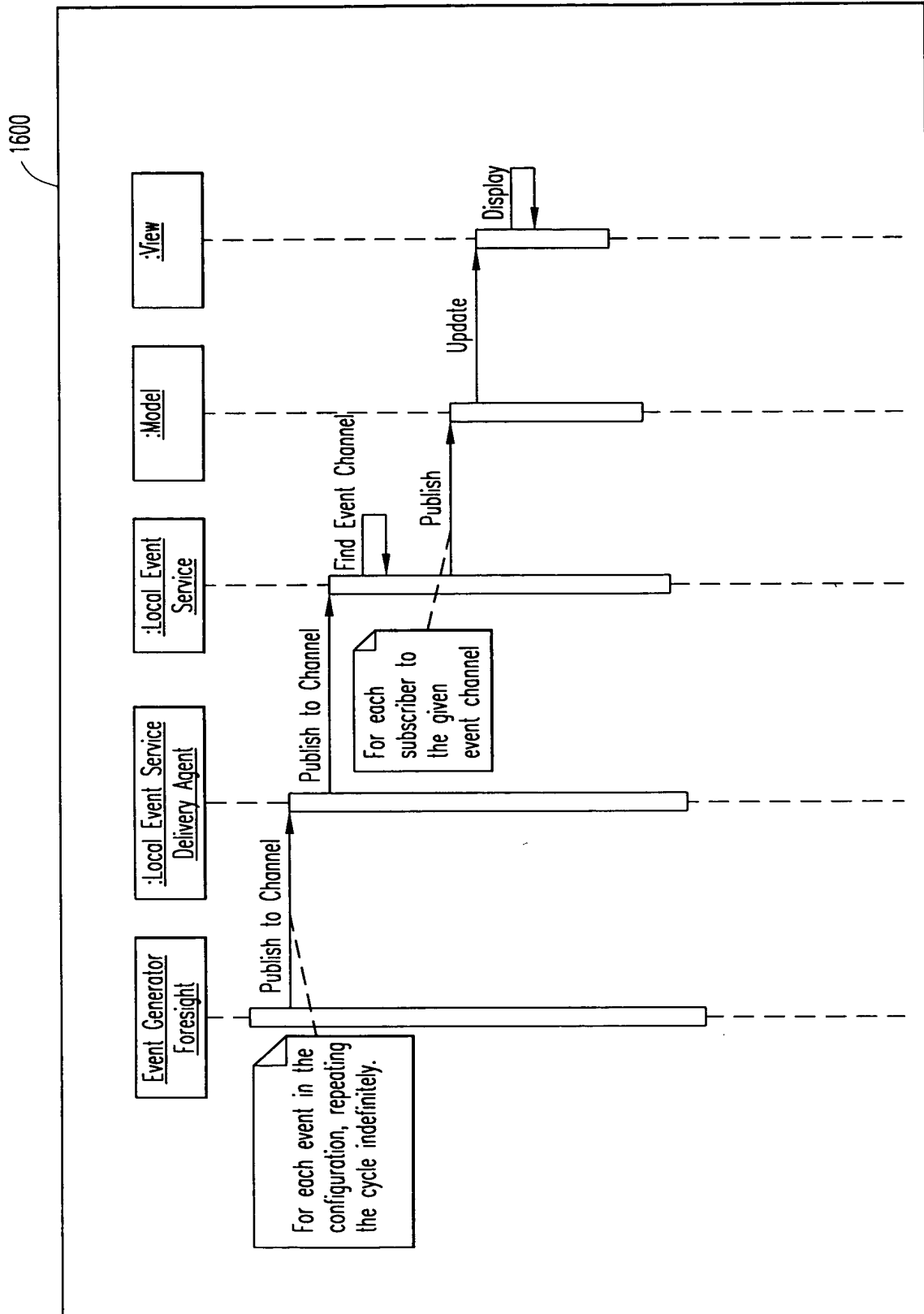
Normal End to End Scenario for Viewing an Architecture in Simulation Mode

FIG. 14



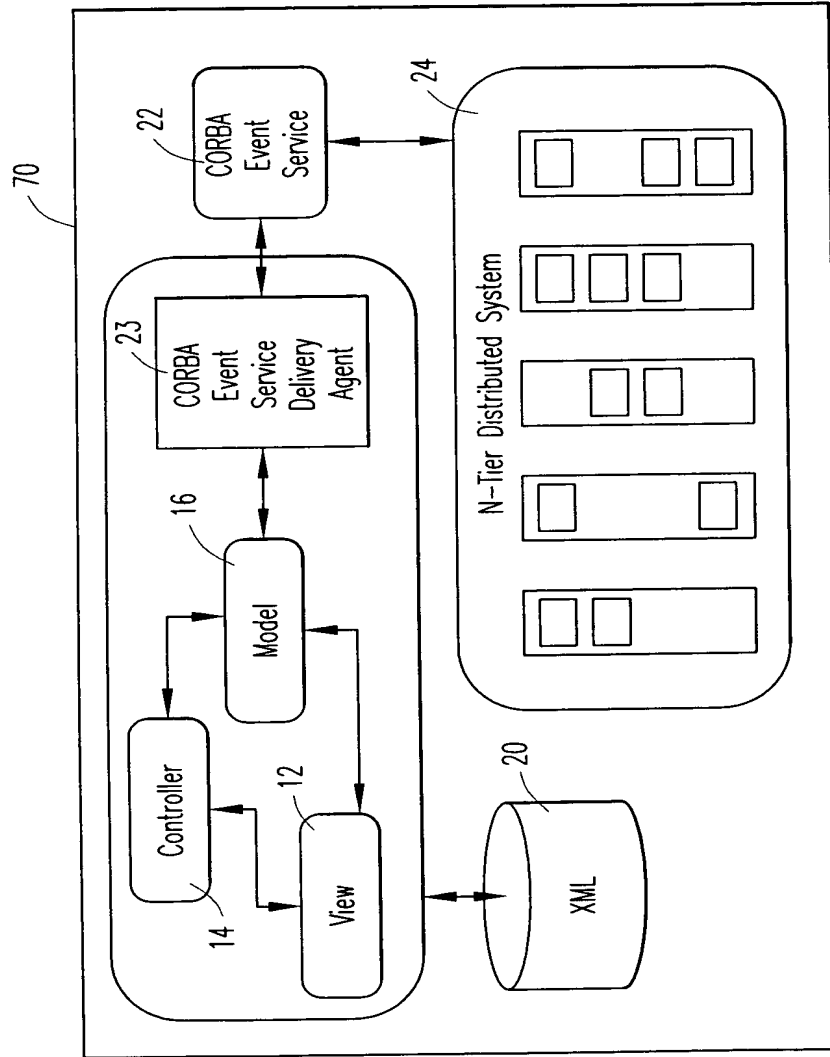
Application Architecture for Viewing in Auto-Cycle Mode

FIG. 15



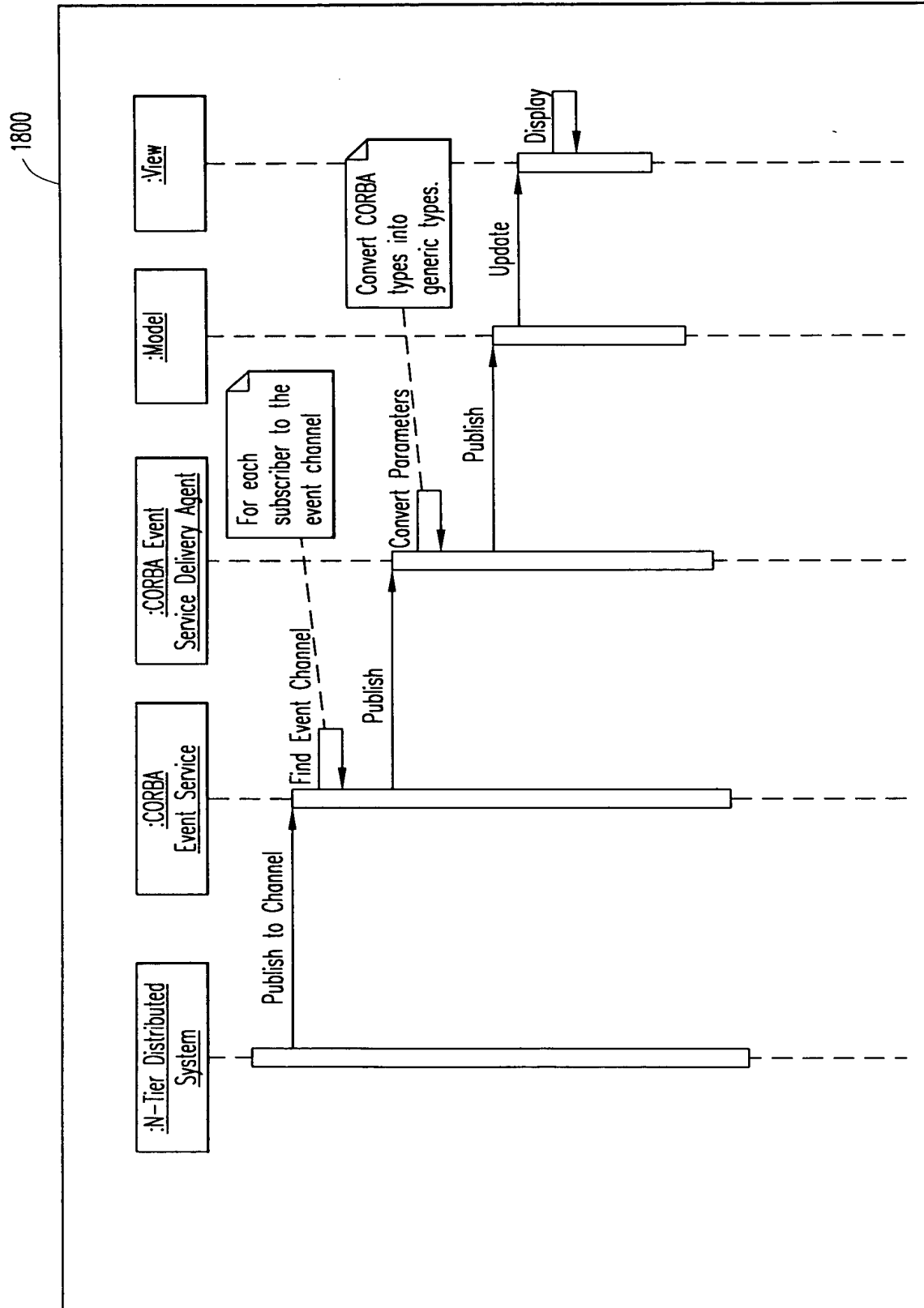
Normal End to End Scenario for Viewing an Architecture in Auto-Cycle Mode

FIG. 16



Application Architecture for Viewing a Deployed Implementation of an Architecture

FIG. 17



Normal End to End Scenario for Viewing a Deployed CORBA Implementation of an Architecture

FIG. 18